All Contracts and bills for advertising pay

preferred Locals 10 cents per fine first insertion, and 5 cents per line each subsequent

DAIRY AND CREAMERY

ABSURDITY OF THE LAW DEFINING A LEGAL CHEESE.

The Law Should Dofine What the Cheese Itself Must Contain in Order to Fill the Legal Requirement, Not the Constituouts of the Milk That Makes It.

The absurdity of some of our dairy laws can be seen by the practical eye when directed to the one that says a legal cheese is one made of milk that has 3 per cent. of fat in it. The presumption of the law is that if a cheese is made of such milk the resulting cheese will have in it 30 per cent. fat, on the theory that the process of cheese making eliminates nine-tenths of the weight of the milk taken to make it. While so much is true of such milk, it by no means follows that more than that does not go to the whey vat, and that the excess over 90 per cent. that goes out in pure fat is lost through want of skill in the making. The buyer of a cheese wants to get the quality he pays for in his cheese, and is not so very much concerned about what is in the milk if he does not get the best and most valuable part of it in the cheese.

The law should define a legal "standard" cheese to be one that has so much per cent, of fat in it; the same as it dees the legal standard for milk that is sold as whole milk. It is the amount of pure gold that is in our "standard" dolar that makes it legal and current, not the per cent, of gold the quartz bore when it was mined.

We used to hear there was a time when the English buyers of large shipments of cheese to that country did not write acceptance of the consignment till after samples of the same had been "tried out" and found to contain the requisite amount of fat to fulfill the contract. All buyers of cheese should have that recourse back on the seller, just the same as he has now for short weights or bad cheese surreptitiously toxed and shipped. In short, all should have what they pay We all agree on that point when we are buyers.-Hoard's Dairyman.

A Ration of Cottonseed Meal.

Henry Morse, of Delaware county, N. 7. who has become wealthy by dairying, says that he has fed cottonseed meal to his cows for eight years, the first four in connection with other grains and after that pure, except while cows were dry on coarse fodder they were given wheat bran and such grain as was produced on the farm. As soon as the cows came in full milk they were given hay twice a day and three quarts of cottonseed meal in the morning and two quarts at night. The morning ration of meal was mixed with six quarts of sweet skimmed milk.

When at pasture they received two quarts of the meal a day. Following this practice he was able to keep 25 per cent. more cows and make, 20 per cent. more butter per cow than by any other grain method. The manure from the cows fed so heavily on cotton seed meal was very rich and gave about double the crops of hay that other manures gave. The pastures also show it, and the increased value of the manure nearly pays for the cotton seed meal.—New England Homestead.

Frozen Fodder.

The usual complaint that butter is very bard to "come" this cold weather has been made during the season frequently. The reason of it is now believed to be the feeding of frozen fodder to milk cows. We wish our farm and dairy readers would experiment in this matter and determine for certain whether it is frozen fodder that makes butter hard to come in winter. Some claim that dried fodder, frozen or unfrozen, is the cause. The experiment might be made by feeding the cows for a week on 34720 other food than fodder, then seeing if the butter came any sooner.

A town where the farmers have no creamery and don't want one is a good town to avoid when one wants a farm for a home, says The Massachusetts

The Ohio Creek cheese factory in Gunnison county, Col., made this year, up to the 1st of December, 40,000 pounds of cheese, besides 125 pounds of butter a week. Furthermore, a number of hogs were fattened from what was left over after the butter and cheese were made. This is a No. 1 record.

Numbers of creameries have been obliged to shut down for want of milk in Kansas and Nebraska. The shortage of milk is due to shortage in cow feed owing to drouth. But the other places will realize higher prices for their but-

Wherever not less than 200 cows are close together in a neighborhood, there a cheese factory or creamery may be started.

When cows have chapped or sore teats in cold weather rub a little vaseline care-

fully upon them after the milking is done, not before. The makers of dairy butter should

keep sight of the fact that good butter cannot be steadily produced without the thermometer.

If you want milk for butter making, test it for fat globules. If you want it for cheese making, test it also for caseine.

let there be the fullest, freest exhibition of all the milk and cream testing apparatus at the Columbus fair in 1893. Let the experimenting be kept in prograss constantly, that all the dairymen, larmers and creamerymen may know that whether they are honest or dishonest their conduct will be fully known. The department of agriculture itself would do well to take charge of the experiments, so important are our cream-

ery interests. The cheese factory at East Otto made not long since the largest cheese ever produced in the United States. It Weighed 4,000 pounds after it was cured,

-OF THE-

Single Number, Class "C."

Drawn at New Orleans, Louisiana, on Tuesday, March 17, 1891.

CAPITAL PRIZES.

No. 16,958 draws the capital prize of \$300,000 sold in Creston. Ia., San Francisco, Chicago, St Louis, Boston and Washington.

No. 52,693 draws the third capital prize, \$50,000; sold in New Orleans, Boston, Indianapolis and Brooklyn.

No. 31,425 draws the fourth capital prize, \$25,000; sold in New Orleans, San Francisco, Chicago, Charleston, S. C., Tacoma, Wash.; St. Louis, and Terra Cotta, Ill. Nos. 58,468 and 68,299 draw each \$10,000. Places where sold not announced.

The following numbers drew \$5000 PRIZES.

\$00 Phicho.
1666,
4252
4882
6072331:33
7177
7185
9337,
10064
10650,
10914
11045
11532
14980
1561044531
1626847462
16794
17142
1731150297
17315, 50761,
17500
18131,
19028
19325
19734
30718
22507
22713
24332 64576
24764
20472
28749
28979. 69961
20166
Brands

37472 59913

..21008 ..21819 ..21972 ..44270

Prizes Cashed in Full Without Deduction.

. Approximation Prizes.

One hundred numbers from 16,908 to 17,008 in-clusive, being 50 numbers on each side of the number drawing the capital prize of \$300,000,

One hundred numbers from 13,303 to 13,403 in-clusive, being 55 numbers on each side of the number drawing the capital prize of \$100,000, \$300.

One hundred numbers from 52,643 to 52,743 in-lusive, being 50 numbers on each side of the number drawing the capital prize of \$50,000,

Nine hundred and ninety-nine numbers end-ing with 5s, being the two last figures of the number drawing the capital prize of \$300,000,

Nine hundred and ninety-nine numbers end-ing with 53, being the last two figures of the number drawing the second capital prize of \$100,000, \$100.

President Union National Bank.

\$1000 PRIZES,
65:02 S0003 68770 S1009
75881 99429

\$500 PRIZES.
29751 70666

41366
C221
17328
1904Decres consequences.
#500 PRIZES.
4000 1 ILLO DO.
1666,
4252
4882
6972
7177
7185. 38013 738
0.000
9337
10054
10650,
10914
11045
11532,
14980
15610
16268,
1679448016803
17142
17311
17315,
17500
18131
19028. 52058 S60
19960
19525
19734
3071858191890
895
22597
22713
84832
24764
・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・

\$300 PRIZES.

\$200 PRIZES.

MUTTON, ETC.

DRESSMAKING

In all the Latest Styles and Most Artisti Fashion

Their Work is Neat, Complete and Hard to Beat

Parlors: JEFFERSON STREET, two blocks East of Lemon Hotel.

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Headquarters for Commercial Travelers. Sample Rooms on Ground Floor. Rooms En Suite or Single.

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CAPS, FUSE, ETC.

ALSO AGENTS FOR THE COLUMBUS BUGGY COMPANY'S We, the undersigned bankers of New Orleans, La., will pay all prizes drawn in the Louisiana State Lotteries which may be presented at our Buggies and Light Wagons of Every Description under. R. M. WALMSLEY,
President Louisiana National Bank.
PIERRE LANAUX,
President State National Bank.
A. BALDWIN,
President N.O. National Bank,
CARL KOHN,
President Union National Bank, All orders by mail promptly filled. : TUCSON, A. T.

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LIQUORS AND CIGARS

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ST. LOUIS EXCHANGE

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::: THE BEST

THAT THE PLACE TO GET

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SPRINKLERS, ETC

The subscribers having supervised the Single Number Drawing, Class "C," Louisiana State Lottery, hereby certify that the above are the numbers which were this day drawn from the 100,000 placed in the wheel, with the prizes corresponding to them.

Witness our hands at New Orleans, La., this Tuesday March 17, 1801 KITCHEN FURNITURE. REFRIGERATORS,

GARDEN AND LAWN HOSE,

IMPORTANT—Send money by express at our expense in sums NOT LESS THAN FIVE DOLLARS, on which sums we will pay all charges, and we prepay express charges on TICKETS and LISTS OF PRIZES forwarded to our correspondents. Address

PAUL CONRAD,
New Orleans, La. GLASSWARE, CUTLERY, JAPANWARE, HARDWARE, TOOLS OF ALL KINDS,

The work of sending the official list to every correspondent begins immediately after the drawing and continues day and night until completed. Should any of our patrons experience any delay in receiving it, it is owing to their name being the last on the list.

Witness our hands at Ass.
Tuesday, March 17, 1891.
G. T. BEAUREGARD,
J. A. EARLY,
Commissioners.

Entered according to act of Congress in the year 1891, by the Louisiana State Lottery Com-pany, in the office of the Librarian of Congress at Washington.

NOTICE.

There are so many inferior and dishonest schemes on the market for the sale of which vendors receive enormous commissions, that buyers must see to it, and protect themselves by insisting on having LA. STATE LOTTERY TICKETS and none others, if they want the advertised chance for a prize.

W. H. BARNES, JOHN H. MARTIN, WM. C. Hubson. Law Offices, Tucson, Arizona. John B. Thomas, Pacific Building, Washington, District of Columbia. N. B.-The Tickets for the April Drawing, and all others thereafter, will bear the Signature of its new President, PAUL CONRAD

THE MARKETS.

NEW YORK, March 25. - Money on call, 234 per cent. Prime mercantile paper, 5667c. Sterling exchange, quiet and firm. Sixty-day bills, \$4.56; demand, \$4.8834. Copper nominal. Lead, \$4.40. Bar silver, 9734. CHICAGO.

CHICAGO, March 24.—Cattle—Receipts, 13,000, Steers, \$4,50;5.60; cows and helfers, \$2,50;64.50; Hogs—Receipts, 30,000. The market was dull, weak. Rough and common, \$4,0064.50; mixed, \$4,00;64.55; prime heavy and butcher weights, \$4,00;64.55; prime heavy and butcher weights, \$4,00;64.75; light, \$4,20;64.60. The market was steady. Westerns, \$5,10;65.70; fambs, \$5,50;65.60. SAN FRANCISCO

San Francisco, March 25. — Closing quotationson the Produce Exchange were:
Wheat—Inactive. Buyer '91, \$1.5134.
Barley—Nothing doing.
Corn—\$1.225_031.884.
Silver bars—97.098c.
Mexican dollars—78@79c.

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MRS. J. F. MICHAEL HAS MOVED HER

DRESSMAKING PARLORS

- - SHERMAN BLOCK - -

Formerly occupied by Mrs. M. H. Long, Where she will be pleased to receive the pat-ronage of the ladies of Phonix. LATEST STYLES and LOWEST PRICES

Cutting and Fitting a Specialty.

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M. E. HURLEY, Proprietor



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Meats Delivered to Any Part of the City

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MRS. THOMAN, MRS. COLLIER Are now Prepared to do

TF SO, DON'T SEND TO CALIFORNIA FOR it. We know most of the Job Printing for Tuc son is done outside the Territory, owing to high | INRIVALLED FOR THE AMOUNT OF PERSONAL COMFORT AND ENprices and inferior quality of work, but by send ing to us for samples and prices we can satisfy WHENEVER YOU COME TO TUCSON -: Lifornia prices.

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JOB DEPARTMENT

FOR SALE.

A block of stock in above

Company for sale. Price and

reasons for sale will be given

to person intending to pur-

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PHŒNIX, ARIZONA.

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State National Bank, El Paso
The Valley Bank, Phœnix

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Because the rates are reasonable.

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CLIMAX

A Beautiful Brown Stallion, 15 I-4 Hands High

SIRED BY DR. HERR

Mambrino Patchen that has sired a campaigner the winner of 100" heats in 2:30 and

ability to breed clean limbed and speedy colts, onsidering the class of mares he has had,

Positively the last Season that CLIMAX will be served to Mares for \$15.00, as his Fillies have shown their ability as Breeders.

- PEDIGREE -

Chmax, by Dr. Herr. First dam by Lancaster Eclipse, by Renick's Eclipse, by American Eclipse, he by Duroc, by imported Diomed. Second dam by Belliounder. Dr. Herr was sired by Mambrino Patchen, a full brother of Lady Thorne, 2:18%.

First dam, Forest Tell Tale, by Alexander's Edwin Forest; second dam,

Tell Tale (dam of Tattler), by Tellemon, by Medoc; third dam, Flea, by

Medoc; fourth dam, Martha Darnell, by Sumpter; fifth dam, Arminda,

by Doublehead; sixth dam, Dux, by imported Buzzard.

DR. HERR IS THE SIRE OF 2173 Mella G 222 Merliese 222 Ked Buck 22214 David S Maggie B LAlly C Farmer Miles, pacer.

Also the sire of Mambrino Davis, sire of Minnie Bell 2:204; Black Dock, sire of Pattie Cooper, 2:30; Myrtle Herr, dam of Lizzette, 3 yrs., 2:30; Little Burton, dam of Hugare, 2:29.

Dr. Herr was sired by Mambrino Patchen, 58. Will make the season at J. L. GANT'S stable in Phoenix, Arizona. TERMS FOR THE SEASON, \$15.00 SEASON FROM MARCH 1 TO JULY 1, 1891. - 1 With usual return privileges, provided I still own the horse.

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J. E. TEETER, Owner.

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AMERICA'S - GRANDEST - SEASIDE - RESORT

A Veritable Earthly Paradise

and exquisite service which cause the belief that its equal is nowhere to be found. HUNTING, FISHING, SEA-BATHING.

joyment supplied to guests by a liberal management, well-provided tables

Game is plentiful. Baracuda and Spanish Mackerel are now beginning to take

very lively. This is the sportsman's great resort. Row-boats and yachts in great numbers, and lovers of this sport can enjoy it fully in the bay.

IN THIS DELIGHTFUL SPOT Everything is full of brightness and beauty. Here the ocean is a constant marvel and one never tires watching its limitless expanse which extend far off into Mex-

ico, the land of mystery and romance.

THE CLIMATE Is mild, soft and even, with perpetual sunshine. No cold spells; no heated terms

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Range moderate, and the comfort of guests is most carefully watched. For particulars apply to or write

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Maricopa & Phœnix R. R. NEW TIME TABLE

[IN EFFEOT JUNE 15, 1890.]

P.O. Box 7. - - -

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* Trains stop on signal.
Trains make close connection with Southern Pacific trains. Connect at Tempe with stages for Mesa City, Jonesville and Fort McDowell. At Phoenix with stages for Prescott, Gillett, Wickenburg and Vulture.

C. S. MASTEN, Vice-Pres. and Manager.

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